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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/564,779	01/17/2006	Hiroyuki Sugihara	283031US3XPCT	3649	
22850	7590 09/07/	006	EXAM	EXAMINER	
	MCCLELLAND	GIMIE, MAHMOUD			
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			ART UNIT	PAPER NUMBER	
ALEXAND	ORIA, VA 22314	·	3747		
			DATE MAILED: 09/07/200	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/564,779	SUGIHARA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Mahmoud Gimie	3747	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence add	ress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	I. lely filed the mailing date of this com O (35 U.S.C. § 133).	
Status			
 1) Responsive to communication(s) filed on 17 Ja 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro		merits is
Disposition of Claims			
4) ☐ Claim(s) 1 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or		·	
Application Papers			
9)☐ The specification is objected to by the Examiner 10)☒ The drawing(s) filed on 17 January 2006 is/are: Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11)☐ The oath or declaration is objected to by the Examiner	a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR	t 1.121(d).
Priority under 35 U.S.C. § 119			
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive I (PCT Rule 17.2(a)).	on No d in this National S	tage
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)	

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05)

2) ___ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 1/17/06,4/11/06.

Paper No(s)/Mail Date. _

6) Other: ___

5) Notice of Informal Patent Application (PTO-152)

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by JP2000558087A.

Japanese Patent Number JP2000558087A discloses an EGR cooler with tubes (3) and a shell (1) surrounding said tubes, coolant water being fed into (13) and discharged from an interior of the shell (14), exhaust gas (11) being passed through said tubes for heat exchange of said exhaust gas with said coolant water, said EGR cooler comprising an intermediate support plate (5) arranged in said shell and with a plurality of throughholes mutually adjacent ones of the tubes being grouped to be penetratingly fixed to each of the through-holes (figure 5), a coolant water passage being ensured between the adjacent tubes to each of the through-holes in the support plate for free grouped and penetratingly fixed communication of the coolant water between the grouped tubes.

3. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Wu et al (US 2005/0067153 A1).

Wu, et al., discloses an EGR cooler with tubes and a shell surrounding said tubes, coolant water being fed into and discharged from an interior of the shell, exhaust gas being passed through said tubes for heat exchange of said exhaust gas with said

coolant water, said EGR cooler comprising an intermediate support plate (42) arranged in said shell and with a plurality of through-holes mutually adjacent ones of the tubes being grouped to be penetratingly fixed to each of the through-holes, a coolant water passage being ensured between the adjacent tubes to each of the through-holes in the support plate for free grouped and penetratingly fixed communication of the coolant water between the grouped tubes, see figures 1-25.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The cited references show shell type heat exchangers.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mahmoud Gimie whose telephone number is 571-272-4841. The examiner can normally be reached on Monday-Friday between 7 a.m. -3:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen K. Cronin can be reached on 571-272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 3747

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MG

MAHMOÙD GIMIE PRIMARY EXAMINER